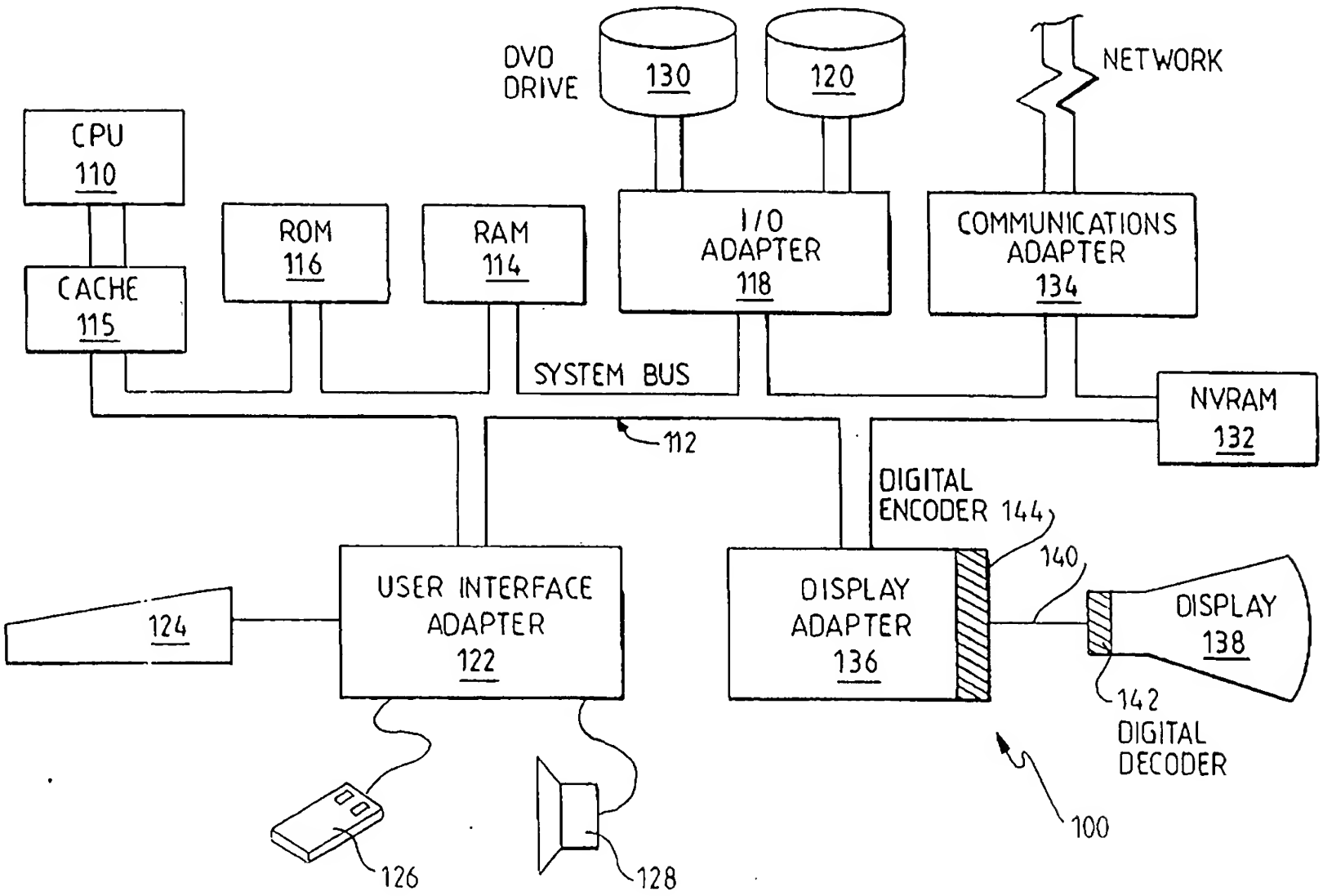
DVD DRIVE
130
120
NETWORK
CPU 110
ROM 116
RAM 114
I/O ADAPTER 118
COMMUNICATIONS ADAPTER 134
CACHE 115
SYSTEM BUS
NVRAM 132
112
DIGITAL ENCODER 144
140
USER INTERFACE ADAPTER 122
DISPLAY ADAPTER 136
DISPLAY 138
124
142
DIGITAL DECODER
100
126
128

FIG. 1

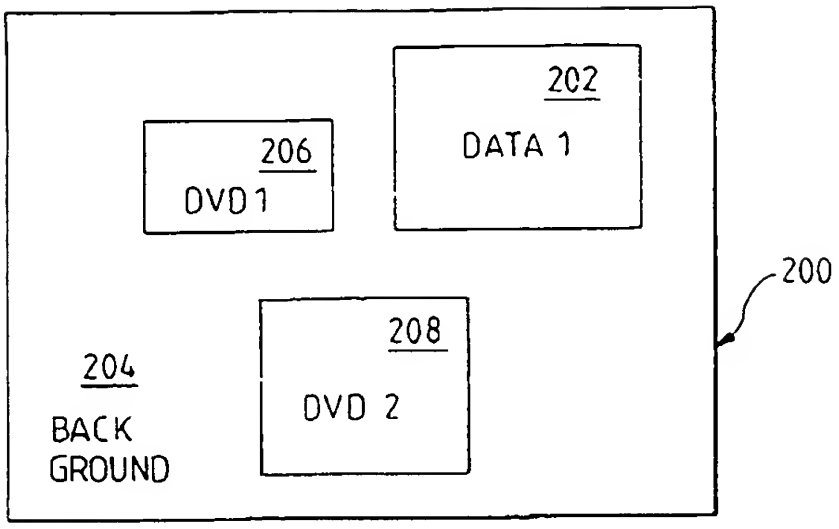
202
DATA 1
206
DVD 1
200
208
DVD 2
204
BACK
GROUND

FIG. 2

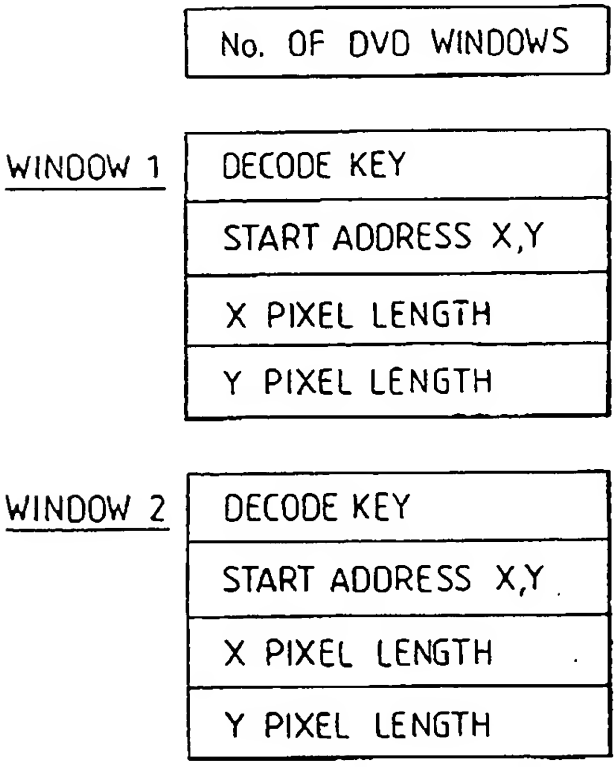
No. OF DVD WINDOWS
WINDOW 1
DECODE KEY
START ADDRESS X,Y
X PIXEL LENGTH
Y PIXEL LENGTH
WINDOW 2
DECODE KEY
START ADDRESS X,Y
X PIXEL LENGTH
Y PIXEL LENGTH

FIG. 3

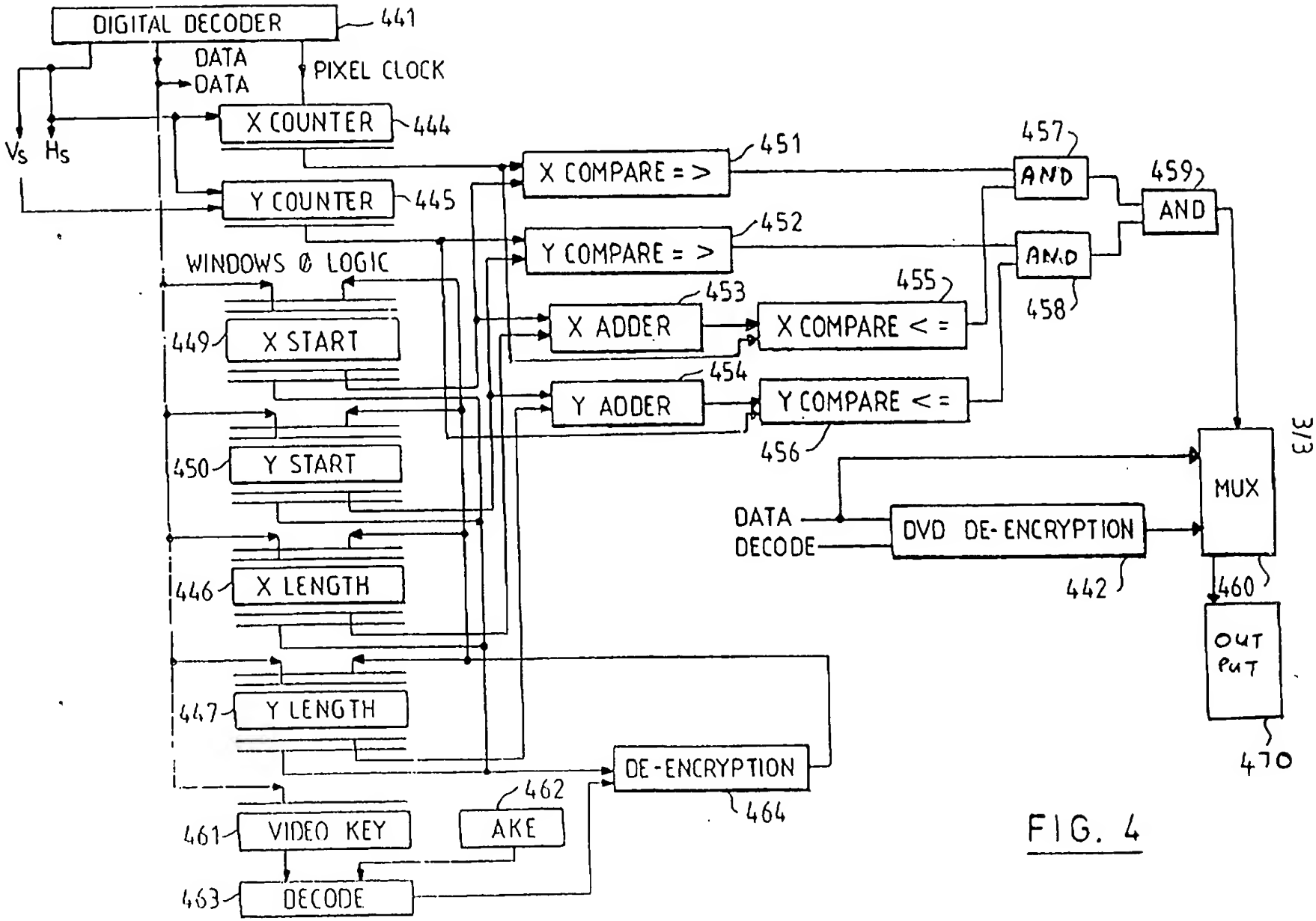
DIGITAL DECODER
441
DATA
DATA
PIXEL CLOCK
Vs
Hs
X COUNTER
444
Y COUNTER
445
WINDOWS © LOGIC
X START
449
Y START
450
X LENGTH
446
Y LENGTH
447
VIDEO KEY
461
AKE
462
DECODE
463
DE-ENCRYPTION
464
X COMPARE = >
451
Y COMPARE = >
452
X ADDER
453
Y ADDER
454
X COMPARE < =
455
Y COMPARE < =
456
457
AND
459
AND
AND
458
DATA
DECODE
DVD DE-ENCRYPTION
442
MUX
460
OUT PUT
470

FIG. 4